What is claimed is:

- 1. A method of manufacturing an electron-emitting
- 2 source, comprising the steps of:
- 3 forming a film containing curled nanotube
- 4 fibers on a substrate; and
- 5 irradiating the film formed on the substrate
- 6 with a laser beam perpendicularly to the substrate.
 - 2. A method according to claim 1, wherein the
- 2 step of forming includes the step of forming a film of
- 3 the nanotube fibers made of carbon.
 - 3. A method according to claim 1, wherein the
- 2 step of forming includes the step of forming the film in
- 3 accordance with any one scheme selected from
- 4 electrodeposition, thermal CVD, and spraying.
 - 4. A method according to claim 1, wherein the
- 2 step of forming includes the step of forming the film on
- 3 the substrate made of iron or an iron-containing alloy.
 - 5. A method according to claim 1, wherein the
- 2 step of irradiating includes the step of irradiating
- 3 with the laser at an energy density of 5 mJ/cm² to
- 4 500 mJ/cm^2 .

- 6. A method according to claim 1, wherein the
- 2 step of irradiating includes the step of irradiating the
- 3 film with an excimer laser as the laser.
 - 7. A method according to claim 1, wherein the
- 2 step of irradiating includes the step of irradiating the
- 3 film with the laser in any one atmosphere selected from
- 4 air, gas, and vacuum.